



CALIFORNIA ENERGY COMMISSION

Review of Program Activities

FY 2008-2010



FY 2008-2010 Investment Plan

- The previous Investment Plan, covering FY 2008-2009 and FY 2009-2010, was adopted by the Energy Commission on April 22, 2009.
- The FY 2008-2010 Plan allocated \$176 million across six fuel categories and one supplemental category.
- Funds must be encumbered within two years. (\$75 million – June 30, 2010; \$101 million – June 30, 2011)



Investment Plan Funding Allocations – First Two Years

Fuel / Technology	Funding Allocation (million)
Electric Drive	\$46
Hydrogen	\$40
Ethanol	\$12
Renewable Diesel/Biodiesel	\$6
Natural Gas	\$43
Propane	\$2
Market Development and Program Support	\$27
Total	\$176



Interagency Agreements and Contracts – First Two Years

- State fleet PHEV retrofits - \$.612 million
 - Interagency agreement with DGS
- Workforce development - \$15 million
 - Interagency agreements with EDD, CCCCCO, and ETP
- Hydrogen fueling standards - \$4 million
 - Interagency agreement with Division of Measurement Standards
- Technical assistance - \$1 million



American Recovery and Reinvestment Act (ARRA) Cost Sharing Solicitation

- To maximize the influx of federal funds to California, the Energy Commission sought proposals that would also draw from federal sources.
- The Energy Commission is providing \$36.2 million as match for \$93.6 million in federal dollars (and \$127.8 million in other dollars).
- \$125.4 million was awarded to California projects without AB 118 match funding.



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ARRA Awards in California (in millions)

ARRA Program	Federal Funds Available	ARRA Awards with AB 118 Match Funds			ARRA Awards w/o AB 118 Match
		ARRA Awards	AB 118 Match Funds	Private/Other Match	
Transportation Electrification	\$400	\$70.273	\$17.556	\$83.966	\$3
Clean Cities	\$300	\$19.359	\$14.450	\$43.510	\$6
ARPA-E	\$400	\$4	\$1	\$0.3	\$12
Advanced Battery Manufacturing	\$2,000	\$0	\$0	\$0	\$0
Diesel Emission Reduction	\$300	\$0	\$0	\$0	\$27
Applied RDD&D	\$2,500	\$0	\$0	\$0	\$14
TIGGER	\$100	\$0	\$0	\$0	\$18
Integrated Biorefinery	\$483	\$0	\$0	\$0	\$45
Class 8 Trucks and Adv Tech for LD Vehicles	\$115- \$240	\$0	\$0	\$0	*
Algal and Advanced Biofuels Consortia	\$85	*	\$3	*	\$.400
Totals	\$6,683 - \$6,808	\$93.632	\$36.1	\$127.776	\$125.400



ARRA Projects

Project Type	Fuel Type	Inside CA	Outside CA	Nationwide
Infrastructure	Biodiesel	*	30	30
	E-85	*	112	112
	Natural Gas (CNG or LNG)	2 LNG	133 CNG, 13 LNG	133 CNG, 15 LNG
	Propane	*	253	253
	Hydrogen	*	2	2
	Electric	3,191	1,571	4,762
	Electric (TSE)	*	50	50
Vehicles	Natural Gas	442 LNG	2,647	3,089 CNG/LNG
	Electric/Hybrid	123 PHEV	2,576	2,699
	Propane	*	3,256	3,256



California-Focused Solicitations

- Three PONs
 - Released November 25, proposals were due January 25
 - Staff is currently reviewing 126 proposals
 - Proposals and results will help inform future funding decisions
- Biomethane Production for Transportation (PON-09-003)
 - Up to \$21.5 million available for funding
 - \$144.9 million requested by 24 projects



California-Focused Solicitations

- MD/HD Vehicle Demonstrations (PON-09-004)
 - Up to \$9.5 million available for funding
 - \$147.6 million requested by 50 projects
 - Multiple fuel types eligible
- Fueling Infrastructure (PON-09-006)
 - Up to \$13.8 million available for funding
 - \$74.4 million requested by 52 projects
 - Multiple fuel types eligible



Potential Solicitations and Agreements

- Hydrogen Fueling Stations (\$22 million reserved)
- New Fuel Production Plants
 - Will focus on biofuels (inc. ethanol and biomass-based diesel)
- Manufacturing Incentives
- Ethanol Production Incentives



Potential Solicitations and Agreements, cont.

- Propane school buses
- Center of Excellence
 - Will focus on advanced medium- and heavy-duty vehicle demonstrations
- Plug-in hybrid electric vehicle retrofits
- Sustainability studies